

TABLE 15

**ADSORBERS**

Point Number (from Flow Diagram)		Manufacturer & Model No. (if available)		
Name of Abatement Device		Type of Air Contaminant Controlled		
<b>GAS STREAM CHARACTERISTICS</b>				
Components	Mole%	Total Flow Rate (acfm)		Gas Stream Temperature (°F)
		Design Maximum	Average Expected	Operating Pressure (psia)
1. _____	_____	Material to be adsorbed: (chemical name of adsorbate) _____		
2. _____	_____			
3. _____	_____			
4. _____	_____			
5. _____	_____			
<b>ADSORBENT CHARACTERISTICS</b>				
Type of Adsorbent (manufacturer & grade no.)	Bed Depth (ft)	Bed Volume (ft <sup>3</sup> )	Saturation Capacity of Pollutant on Adsorbent (supply units)	Length of Mass Transfer Zone (inches)
<b>EQUILIBRIUM DATA</b>				
Supply equilibrium adsorption isotherm for pollutant over adsorbent at estimate operating temperature.				
<b>REGENERATIVE SYSTEMS</b>				
Residual Change - wt. of adsorbate remaining on adsorbent after regeneration (lbs adsorbate/lb adsorbent)	Adsorption Time per Bed (minutes)	Regeneration Time per Bed (minutes)	Number of Beds	
Describe disposition of contaminant after regeneration (or during desorption step): _____				
<b>ADDITIONAL INFORMATION</b>				

On separate sheets attach the following:

- A. Details regarding principle of operation
- B. An assembly drawing (Front and Top View) of the abatement dimensioned and to scale clearly showing the design, size and shape. If the device has bypasses, safety valves, etc., include in drawing and specify when such bypasses are to be used and under what

conditions.

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